

10/10/10

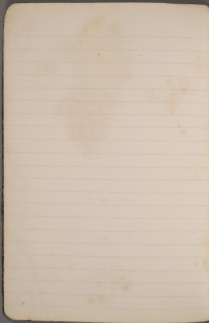


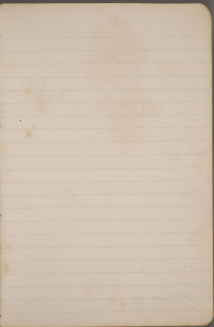
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[Jan 1905]







Boatong for Children for Help  
also Reddell's Rambles in N.Z.

Proceedings Vol 9. part 2. Rec.  
Mrs Fletcher Garpe



Notes, Herb. Cal. Museum  
*Senecio. Bonplian* - *Makohuna* - the  
branched form - here

*Atriplex billardieri* - *Chatham bluffs* !  
Certain ...

*Asphylla squarrosa*, *Senecio laevis*  
and *Nauclea laevis* abundant at  
sea level at Point Loma. *Glaucium*  
*luteum* plentifully naturalized

*Hypericum perforatum* & *H. androsaemum*  
naturalized between Wellington &  
Peters - great abundance of  
Peters.

*Asphylla squarrosa* by side of  
railway beyond Featherston.

Motutauko 300 ft. high. main  
Vegetation on top of island. *Platanus*  
*Adiantum*, *Leptocarpum ericoides*,  
+ *Ranunculus*. *Polypodium*  
*terrestris* *Papaya excelsa*. *Brachyglottis*  
*Polypodium kaulandense* *Asplenium lucidum*  
*Lomaria lanceolata* *Asplenium bulbiferum*  
*Polypodium farinaceum*. *Saururus cuneatus*  
on the Motutauko & on rocks. *Polystichum*  
Common on the rocks and all round the  
island. seldom more than 30 ft and usually  
much less - leaves small, rigid. *Guzmania*  
*ligustrifolia* *Asplenium Richardsii*  
*Phormium tenax* *Melastoma canaliculatum*  
*Poa annua* *Cruciatella racemosa*  
*Zinnia laetifolia* *Caprosia robusta*  
+ *C. lucida* *Quercus indica*  
*Platostichum* *Polypodium serpens*

*Asplenium flocosum* *Immun. candidum*  
*Epilobium pulch. Verobea subaphi*  
*Epilobium nemorosifolium*  
*Graphidium Karwinskii* *Lycopodium bellidifolium*  
*Larrea autumnalis* *Callis hanksii*  
*Cyathodes*  
Pohutukawa on Whakaipo Bluff  
North-west end of Taupo

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Settlement \_\_\_\_\_ Crantzi,  
Prato, Gloranthum *Glenchus acuta*  
*Ranunculus alpestris* et - *coron. det.*  
Springs on hill

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E. W. Andrews.

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*Hypericum androsaemum nutans*  
at Taupo bridge


1. Distribution of seedlings to common  
about 1<sup>st</sup> April. - 16,000 - available

2. Mammal Fishing in Wam Rivers

3. Fish traps.

1500 ft Run for clearing boxes etc  
Estimate for roofing steel concrete ponds  
for small to provide plan & estimate

Planting trees

House  £ 12 hours. Good relief  
2 hours wanted

Shed for meat freezing fish cans  
1 ice chest £ 5 10x12

Annual meeting

Fish in good condition

1 Distribution of Fry

2 Mammals feeding on Mammals

3 Fish Ladder

4 Collecting one at Rotuma — no product  
mentioning probable operation

5 Impulse for clearing boxes etc

6 Allusions to Hambro's steps

7 Hunting birds

8 Horse

---

Always at Liscu — on Saturday  
up to 11 o'clock

4 Kotaha, carved by  
Nate Kapua.  
all carved from Rata.

Many carpenter employed by  
Nelson -

Pakurakura - Nelson  
on timber slabs





$$\begin{array}{r} 28.85 \\ 1.65 \\ \hline 30.50 \end{array}$$

$$\begin{array}{r} 15.11 \\ 1.11 \\ \hline 16.22 \end{array}$$

Sum





## Japan

Jan. 11. The flats about the village,  
fields and roadsides contain many  
naturalized plants - as under

*Antennaria plantaginifolia* - abundant

*Spartium junceum*

*Rosa rugifolia*

*Poa pratensis*

*Galium aparine*

*Horis lanata*

*Plantago lanceolata*

*Trifolium repens*

*Poa annua*

*Trifolium pratense*

*Dipsacanthus radicata*

*Rumex acetosella*

*Richardia scabra*

*Erythraea centranthoides*

*Antennaria plantaginifolia*

*Trifolium pratense*

*Viburnum chinensis*

Lakeview - naturalized plants

- Lepidium sudorale*  
*Erigeron obtusifolius*  
*Erigeron alba*  
*Phacelia vulgaris*  
*Crataegus monoides*  
*Salix quadrangularis*  
*Lobelia spicata*  
*Ara canyophylla*  
*Senecio lamarckii*  
*Silene hypericifolia*  
*Barbarea (alba)*  
*Erigeron annuus*  
*Plantago major*  
*Achillea millefolium*  
*Erigeron canadensis*  
*Erigeron phillyria*  
*Veronica serpyllifolia*  
*Capella lutea pectinata*  
*Hemlock lupulus*  
*Lobelia (alba)*

*Lobelia*. naturalized plant

*Digitalis purpurea* - on Maunapalanau  
12 ft high, with spike 6 ft long  
purple & white var. intermixed

*Lapins opulenta*.

Strawberries common in many places,  
and especially on Maunapalanau,  
where they ascend to the top.

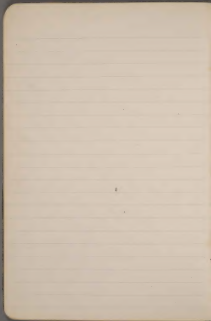
Lobelia cultivated at Waikiki.

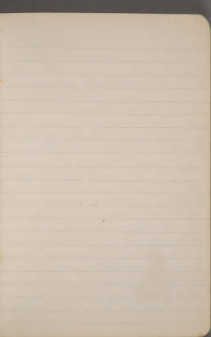
*Rosa rugifolia*

*Salvia peruviana*

" *italica*

*Poa pratensis*.





## Hot springs at Toluca

Are situated along both banks of the Toluca River, quite in the marsh valley. The springs are very numerous, and consist of numerous large pools of boiling water with still more numerous smaller ones, cracks from which steam issues, and boiling mud pools.

A large pale greenish blue pool with a temperature of  $111^{\circ}$  has algae growing on the center sides.

The principal vegetation about the springs is *Leptaspersion scoparium* + *L. encordis*, mixed with *Leucopogon fasciculatus*, outwreathed *Spartium*, *Agave* *serotina*.

Cots of *Agave* *serotina* stand in water of temperature of  $98^{\circ}$ .

*Leptaspersion*, *Leptaspersion* living with *Agave* + cots in water of a temperature of  $78^{\circ}$ .

Pool with large quantity of algae, *Leptaspersion* + flowering plants - present temperature  $92^{\circ}$ .

*Euglenes leptocarpus* 86°. Plenty  
of green Alga at a temperature of  
114°  
Alga in rivulet of 140°—

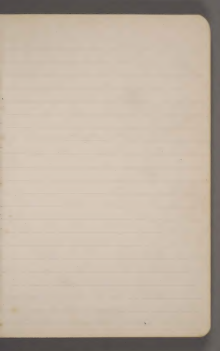
Important feature of vegetation about  
hot springs is the great abundance of  
*Leptocarpus simplex*, *Euglenes triandrus*,  
*Seligeria selaginoides*

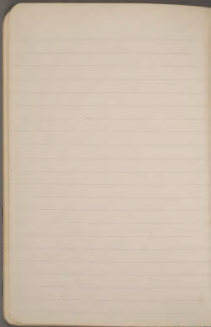
*Sorauha at Waikiki*

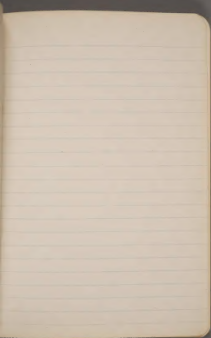
Went with Mr. May to Waikiki. He showed me, at the back of the Catholic Church, a *Sorauha*, probably *L. Adami*, growing on Plum and Pear trees. At the back of the gardens, and on the steep hill side, we noticed the same plant, which the Maoris call *Piritia*, growing on *Coprosma grandifolia*, *Melastoma canaliculatum*, *Freycinetia excelsa*, and in great plenty on a large plant of *Rubus australis* var. *glaberrimus*.

Mr. May also informs me that at Motueta, below, he saw a *Sorauha*, probably *L. glomerata*, growing on Robins and Winter Red Pears and Plums.









Nature plants - Kollam Nat  
1500 ft. —

*Leptocarpus scoparium*  
" *truncatus*

*Leucopogon paniculatus*

*Cyathodes acuta*

*Leptocarpus confusus* (about Kollam)

*Agrostis amabilis*

*Luzula biflorus*

*Monochloa stipoides*

*Eleocharis latifolia* by both sides +  
Kollam

*Luzula tenuifolia*

*Drosera bursata* near Kollam

*Macraea parvifolia*

*Peucedanum baccatum* (by side of stream)

*Schizae trifida* from both sides

*Commersonia bartramia*

" *reticulata*

*Drimys acicularis* Kollam 2500 ft

*Cardamine hirsuta*

*Indocalamus sarsiflorus* Kollam 2500 ft

*Pithecellobium tenuifolium*. Mangasama,  
Kabarauca.

*Hypericum japonicum*

*Aristolochia racemosa*

*Geranium macrophyllum*

*Oxalis corniculata*

*Pomadouria phyllifolia*. slopes of  
Mangasama.

*Cynoscopus laevis*. Woods, not  
perfectly planted by natives

*Cassipouira flayelliformis*

*Rubus australis* var. *discoideus*

*Potentilla anserina*

*Acacia sanguinolenta*

*Carpodacus serratus*

*Wernmannia ~~glabra~~ racemosa*

*Brosna serrata*

.. *auriculata*

*Halimolobos auriculata*

*Myrsine variegata*

*Pharus excoarctata*

*Epilobium nanum* var. *oblongifolium* - common  
on swampy places on the sides of  
hot springs.

*Epilobium junceum*  
" *paludiflorum*

*Mydrophyllum myrsinites*

*Panax Edgerleyi* - Kakaramee 2000ft.

" *crassifolium*

" *arborescens*

*Junonia littoralis* - Manzanaramee.  
Kakaramee

*Coprosma robusta*

*Oleace nitida* - Kakaramee 2000

Manzanaramee

" *oblongifolia* Kakaramee 2000ft

*Alnus longifolia*

*Ranunculus forsteri*

*Gnaphalium fuscum*

" *lutescens*

" *viridiflorum*

*Gaultheria latifolia* Manzanaramee

*Brachyglottis repanda*  
*Wahlenbergia gracilis*  
*Protea argentea*  
*Salweenia latifolia* - near hot springs  
*Cyathochaeta coccinea*  
*Leucopogon Fraseri*  
*Calystegia sepium*  
*Gratiola*  
*Veronica selicifolia*  
*Kesedaphne Tass* Kakarame  
*Knightia excelsa* Manzanaran Mita  
*Pumila prostrata*  
*Podocarpus speciosus*  
*Scaevola capressum*  
*Macrotis porrifolia*  
*Helianthus longifolia*  
*Dryas angustifolia*  
*Dryas grandis* - by springs  
 Hot water, abundant.  
*Cadythra cuneata*  
     *Banksia*  
     *parvula*

*Phormium tenax*  
*Isurus communis*

" *planifolius*

" *biflorus*

" *tenax*

*Leptocarpus complexus* - *Leptocarpus*

*Cyperus ustulatus* - near hot  
water

*Umbellula acuta*

*Isoloma nodosa*

*Leptocarpus tetragonus*

*Carex vagata*

" *tenax*

" *testacea*

*Maculans stipoides*

*Lycopodium pumilum*

*Bulbocodium stipoides*

*Ophioglossum*

" *reticulatum?*

*Arundo conspicua*

*Danthonia communis*



*Poa anafes*

" *austroliis*

*Lytium multiflorum*

*Gleichenia decurpa* var. *heerstedtii*

" *Curryi*

*Permitia Smithii*

*Hymenophyllum decursum*

" *Polytrichum*

*Trichomanes anafense*

*Ravallia novae*

*Limnophyton trichomanoides* *Mosses*

*var.*

*Hypolepis tenuifolia*

*Pteris aquilina*

" *Staberchia*

" *novae*

*Lomaria pteris*

" *Petersoni*

*Asplenium flaccidum*

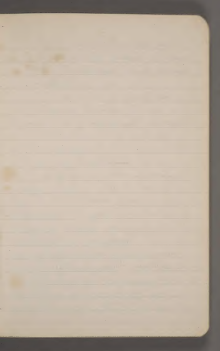
*Aspidium aculeatum*

*Polytrichum australe*

*Isoetes hyemophylloides*  
*Selaginella bipida* *hypoleuca*  
*Lycopodium Pallardii*  
" *acuminatum*. *red.* of  
hot ponds at Tokaanu  
" *solubile*  
*Psilotum Trepelii* - hot water  
stream  
*Oxalis rubra*

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*Lycopodium obscurum* - fruiting  
which appears to be this above  
to me by Dr. Hamilton & collected  
on flat south side of Mangarua  
*Alseodictyon exaltatum* Wairi  
*Lycopodium hiansifolium* Wairi  
*Phytolacca Solandri* - Wairi  
*Aspidium Richardi* - Wairi  
*Pellaea rotundifolia*



*Quercus litoralis* *kleiner* *amara*  
*variosa* *Fuchsia sacrotheca* *Panicum*  
*rossii* *Carphoxanthus serratus* *Aristida*  
*pacifica* *Pittosporum tenuifolius* *Polypodium*  
*totara* *Loposiphium grandifolius* *Lycopodium*  
*Callitriche* *Raphis australis* *Panicum arborescens*  
*Myrica* *Urtica* *Drumstick* *Colocasia*  
*Abies* *Banksia* (Markings)  
*Brachyglottis repanda* *Aspidium*  
*Vegetable* *Geranium* *Lupinus*  
*Totia* *Lycopodium* *Lodice* *capitata*  
 3300 ft *Cypripedium* *patens*  
*C. tenuifolius* *C. glaucus* *Hymenophyllum*  
*latifolium*, *Orchis* *nerosa* *Ruellia*  
*flaccida* *Microdon* *avenae*  
*Lomaria* *proser* *Saxifraga* *Olea*  
*Cunninghamia* *Uncaria* *Austro*

Height of Key station 2725 ft  
above Baker - Country at 1550 ft above  
the sea, the total height of the mountain  
would be 4275.

Chief Vegetation *Homophyllum Racula* +  
A semi annuals on alpine, mixed with  
Stemmed *Boa Austroba* *Chamae speculabris*  
present - Old bushes of *Oleaceo nummularifolia*  
+ *Cassiope sandwicensis* scattered about. In  
scrubby places *Cassiope monica* *Panas*  
*pendula* *Oleaceo vitida*. Two orchids  
*Thelypodium* with blue flowers + *Proserpinaca*  
*fruticosa* common. *Chelidonium* *brassicifolium* less  
abundant. A *Veronica* like *maritima* common  
but not in flower. *Proserpinaca* with spikes  
white flowers + *P. filifolia*. In swamps  
*Cruciferae* *Veronica* *Viola* *Carpha*  
*Sedum* *acutifolium* *S. planifolium* *Sedum*  
*pentiflorum*. *Glechoma alpestris* *S.*  
*Campanula* in 14000 ft



*Carexochloa flagelliformis*  
*Rottboellia australis*, n. 4 y.  
*Potentilla anserina*. Kat.  
*Acaena sanguinolenta*  
*Leptodermis serrata*, Kikaramea  
*Humulus racemosus*  
*Proseris spathulata*, Kikaramea, Woorf.  
     " *tenata*  
     " *auriculata*  
*Calorago alata* - Waihi  
     " *mercurialis* Kat.  
*Eragrostis variegata* Kat.  
*Leptocarpus scoparius*  
     " *tricus*  
*Fuchsia macrocarpa*  
*Epilobium humulifolium*  
     " *pauciflorus*  
     " *puberulus*  
     " *Boerhaavia*  
     " *puberulus*  
*Hydrocotyle macrocarpa*  
*Leptocarpus scoparius* Kikaramea Woorf.

*Ligustrum acrostichum* Kakearua

*Panax crassifolium*

" *colensoi* Kakearua

" *astorica*

" *condurc* Kakearua

*Schefflera digitata*

*Grisebium littorale*

*Loranthus adsonii* - Waiti

*Coprosma laurifolia*

" *robusta*

" *grandifolia*

" *trumpetia* Kakearua

" *portiflora* "

" *pubescens* "

" *colensoi* "

" *lanceata* "

" *depressa* "

*Alseis blackii* Moringanua Kakearua

" *dentata* "

" *ilicifolia* "

" *monnularifolia* "

*Colsonia spectabilis* "



*Clonisia longifolia* Flat. small form  
on Kakaramea

" *flankulosa* Kakaramea

*Laguncularia foetida*

*Crotalaria acutata* Host

*Casipoua fimbriata* Kakaramea

*Cassia Vanuatuensis*

*Gnaphalium bellinckiae* Kakaramea

" *filicula* Host. Mangrove

" *latifolium* Flat

" *multicaule* Host

*Senecio latifolius* Mangrove

" *Babingtonii* Kakaramea

*Brachyotum repens*

*Wahlenbergia gracilis*

" *pauciflora* Kakaramea

*Portia angulata*

*Peperomia radicans* Host Group

*Epilobium subsp. 4*

" *repens*

*Cyathodes aurea*

" *impetigolii* Kakaramea

*Leucopogon fasciculatus*

Prasop.

*Palachnoides paniculata*

*Epacris alba* Kakaramea

*Dracophyllum racemosum* "

" *filifolium* "

*Myrsine saligna* Kakaramea

" *Wardleyi* "

*Olea Cunninghamii* "

" *lanceolata* "

*Persea elaeagnifolia*

" *rosea* Kakaramea

*Leucostoma laurifolium*

*Corchorus Leprieuxii*

*Gnaphalium acuminatum* Hb.

*Glossostigma chinensis* Hb.

*Leonotis tenuifolia*

*Veronica serotina*

sp. Kakaramea

*Euphorbia corollata* "

*Chenopodium macrophyllum* "

*Psittacanthus Solandri* Hb.

*Polygonum ornatum* Ret

" *aviculare* Gooden.

*Mollispermum adpressum*

" *axillare* Kakarame

*Knightia excelsa* Mangrove. Hark

*Pongia peltata* Flat - Kakarame

*Leptocarpus hederifolius* Kakarame

*Podocarpus farnesii* "

" *totara* " Hark

" *spicata* "

*Macaranga compressa*

" *laevis* Kakarame

*Phyllanthus alpinus* "

*Microtis porphylla*

*Calceolaria bifolia* Kakarame

*Pterostichus Banksii* "

*Malva longifolia* "

*Plantago* sp. "

*Basiphyllum nudum* "

*Lycopodium angustifolium* Flat

*Garganium simplex* Flat

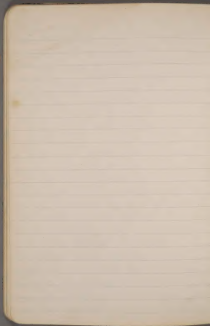
*Linum maritimum* Flat

*Trifolium trindum* : Hot Springs, Lake,  
*Lepidocarpus* ? Johnson Lake  
*Orlypus auctalis*  
 " *Barbieri*  
 " *pubescens* Karkaramee  
*Ostia nervosa* "  
*Phormium tenax*  
*Desmodium nova-zeelandica* Karkaramee  
*Lancea communis*  
 " *terrestris*  
 " *planifolia*  
 " *triflorum*  
*Carota campestris*  
*Leptocarpus simplex* Hot Springs  
*Cyperus acutellatus*  
*Schizanthus scutellari*  
 " *parviflorus* Karkaramee  
*Cappis alpina* Karkaramee  
*Eleocharis acuta*  
 " *granulosa*  
*Polypus uliginosus*  
 " *prolifer*

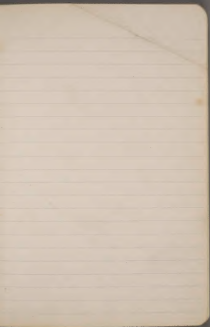
- Isolpis caudicauda* Kükranee  
*Piptosperma tetragona* Kükranee  
*Orestyles pumila*  
*Procunia australis*  
     " *caespitosa*  
*Carex stellulata* Kükranee  
     " *burgata*  
     " *testacea*  
     " *decussata*  
*Mundula elyoides*  
     " *adensis*  
*Hieracium repens*  
     " *alpinum* Kükranee  
*Torilis parviflora* Flot.  
*Helioscopia crenata*  
*Agrostis amabilis*  
     " *quadricostata*  
*Barthonia Boottii* Kükranee  
     " *seminudiflora*  
*Poa aneuploides*  
     " *australis*  
*Galium multiflorum*

Glechoma	secunda	
"	decursa	Hat
"	var alpina	Katkarom
"	Laurinhamii	"
Geum	Smithii	"
Agrostophyton	paluterriman	"
"	polyanthos	"
"	leucocyanum	"
Inchomane	conformis	"
Navaho	rosa. realensis	"
Myrsine	leucophila	Hat
Pellaea	rotundifolia	Hat
Pteris	apertina	
"	puberula	
"	mass. Holmgrenii	
Coronaria	paliformis	
"	protera	
"	flavirubra	Katkarom
"	Pateraria	"
"	coriacea	
"	arcolon	
"	alpina	Katkarom

<i>Asplenium</i>	<i>hookerianum</i>	<i>manzanarum</i>
"	<i>latifolium</i>	
"	<i>platyneuron</i>	
<i>Aspidium</i>	<i>terrestris</i>	
"	<i>richardsonii</i>	<i>Warwickii</i>
<i>Pellaea</i>	<i>andromeda</i>	<i>Kaharara</i>
"	<i>grammifolia</i>	"
<i>Lobelia</i>	<i>hypophthalmica</i>	"
"	<i>superba</i>	"
<i>Polytrichum</i>	<i>Bellardii</i>	
"	<i>peruvianum</i>	
"	<i>serotinum</i>	
<i>Sphagnum</i>	<i>repens</i>	<i>Hot Springs</i>
<i>Lycopodium</i>	<i>Bellardii</i>	
"	<i>densum</i> ?	<i>Hot Springs</i>
"	<i>serotinum</i>	<i>Hot Springs</i>
	<i>Lobelia</i>	<i>Warwickii</i>
"	<i>repens</i>	
"	<i>serotinum</i>	
"	<i>repens</i>	
<i>Psidium</i>	<i>repens</i>	<i>Hot Springs</i>
<i>Carolina</i>	<i>repens</i>	<i>Lake</i>







Journal of the

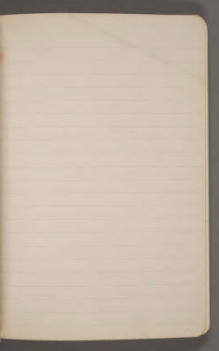
1

2

3

4

5





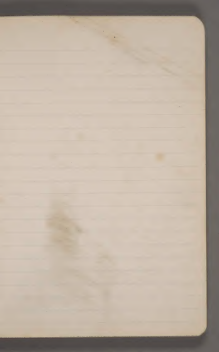
Hill behind cables 1900 ft above  
Camps = 1900 + 1500 = 3400 ft

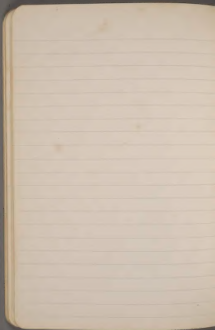
$$\begin{array}{r} 2575 + 1500 \\ 2575 \\ \hline 4075 \end{array}$$

$$\begin{array}{r} 2700 \\ 1500 \\ \hline 4200 \end{array}$$

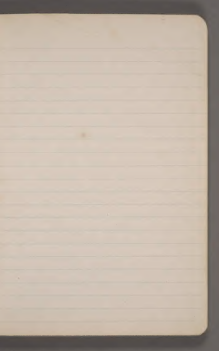
Vegetation at highest point reached  
4250 ft. composed of *Arctostaphylos*  
*Ranunculus* *Calluna* *Epilobium* *Veronica*  
*Cotoneaster* *Oleaceae* *nummularifolia*  
*Poa* *Androsace* *Poa* *Glauca* *Wahlenbergia*  
*gracilis* *Dracophyllum* *recurvum*  
*filifolium* *Ligustrum* *aromaticum*  
*Sorbus* *bedfordii* *Oleaceae* *nummularifolia*  
*Orthocentrus* *saxicola* *Leucopogon*  
*Rosa* *Canadensis* *Oleaceae* *Dracophyllum*  
*Ceanothus* *Potamogeton* *alpinus*

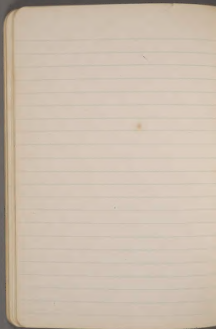
O hana Kōkōri  
Tree actually breeding &  
steaming for 45 min  
Pteris caudata - P. scaberrima  
Lycopodium complanatum &  
Nephrolepis most abundant  
Nephrolepis caudata & Gleichenia  
dechlorata - Scleria



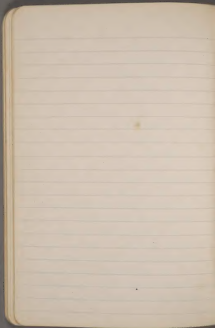








Cyathea medullaris  
Lomaria filiformis  
Asplenium foliolatum  
Polypodium fernigerum  
Asplenium laevigatum  
Hypnum glabellum  
Hypnum cross-veined  
Pharis pinnatifida  
" glaucescens  
Hemitelia Smithii  
Asplenium laevigatum  
Polypodium Cunninghamii  
" austriacum  
~~Polypodium~~ Pteris hymenophyllodes  
Lomaria reniformis  
Lycopodium Bellardii  
Lomaria prolixa  
Hymenophyllum paludosum  
" sapidissimum  
Lomaria nigrum  
Hymenophyllum smallii



*Hymenophyllum dilatatum*

" *Malinzi*

" *flabellatum*

" *Lyallii*

" *Wrightii*

*Lycopodium articulatum*

*Hymenophyllum Cheesemanii*

" *polygonifolium*

*Lindsaea bulbifera*

*Isotriaena Canadensis*

*Hymenophyllum demissum*

*Asplenium bulbiferum*

*Pteris cretica*

" *aquilina*

*Lycopodium complanatum*

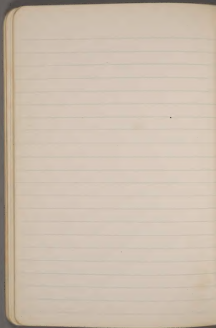
*Pteris scolopendria*

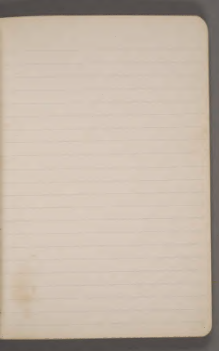
*Comarostachys proserpinaca*

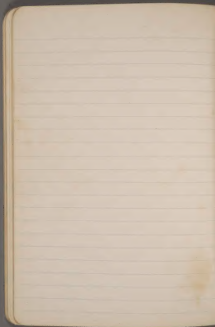
*Aspidium Richardsonii*

24

30









46 Men a few heavily  
putrid - 200

2 B. oculis

26 B. didymus - 1000000

6 B. curvis

1 B. bowen

35

11 ft long by 8 ft wide &  
4 ft 6 deep

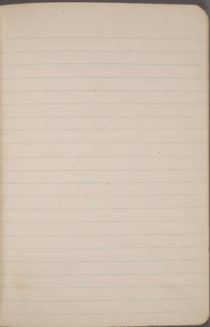
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26 1/2

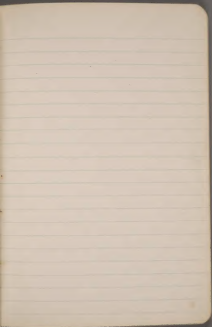
*Demissa gracilis* - skeleton

✓ Libra 26 1/2 in

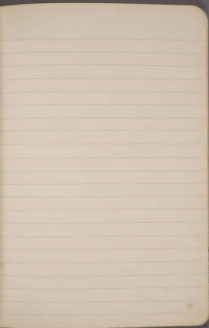
February 12 3/4





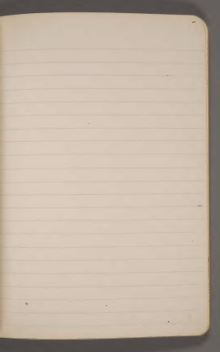




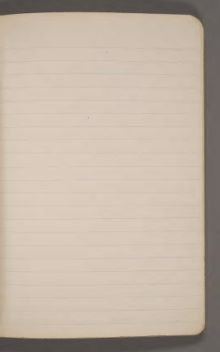


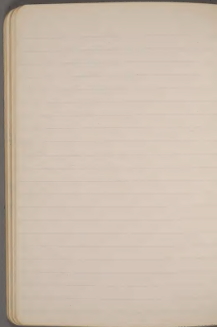


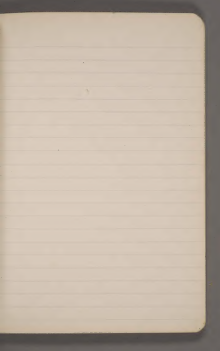


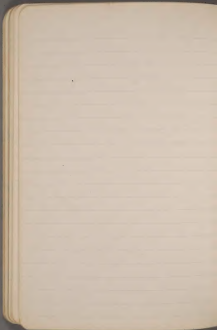


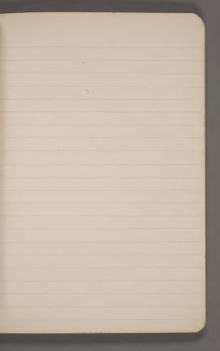
















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